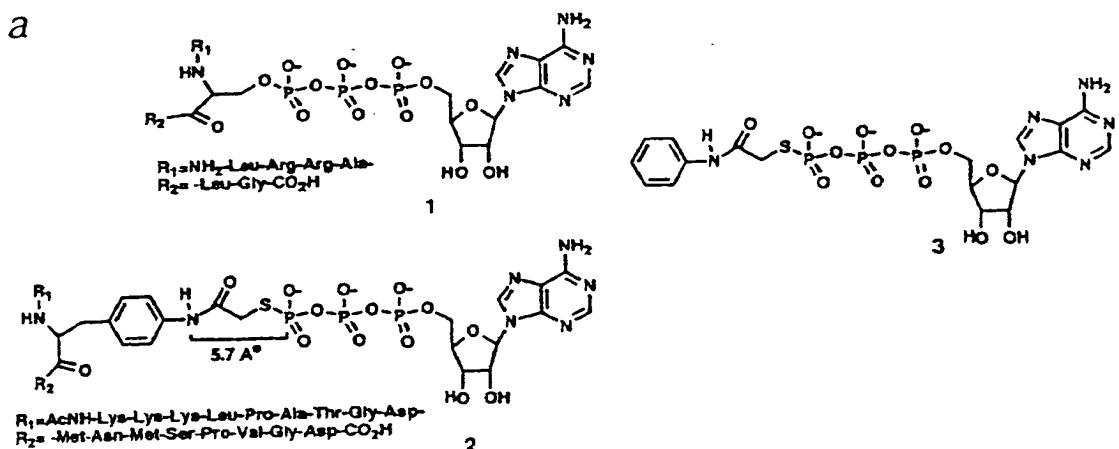
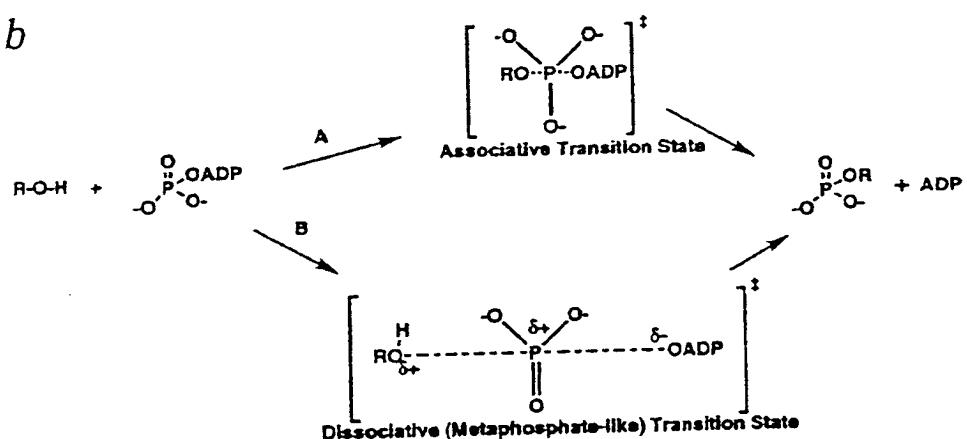


a



b



c

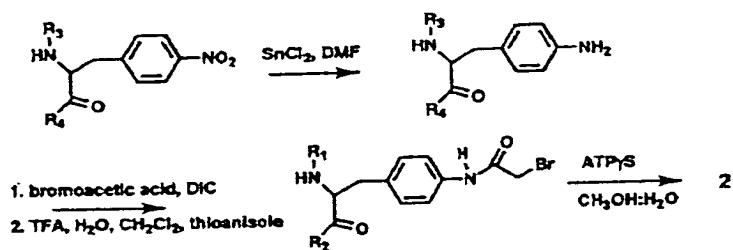


FIG. 1

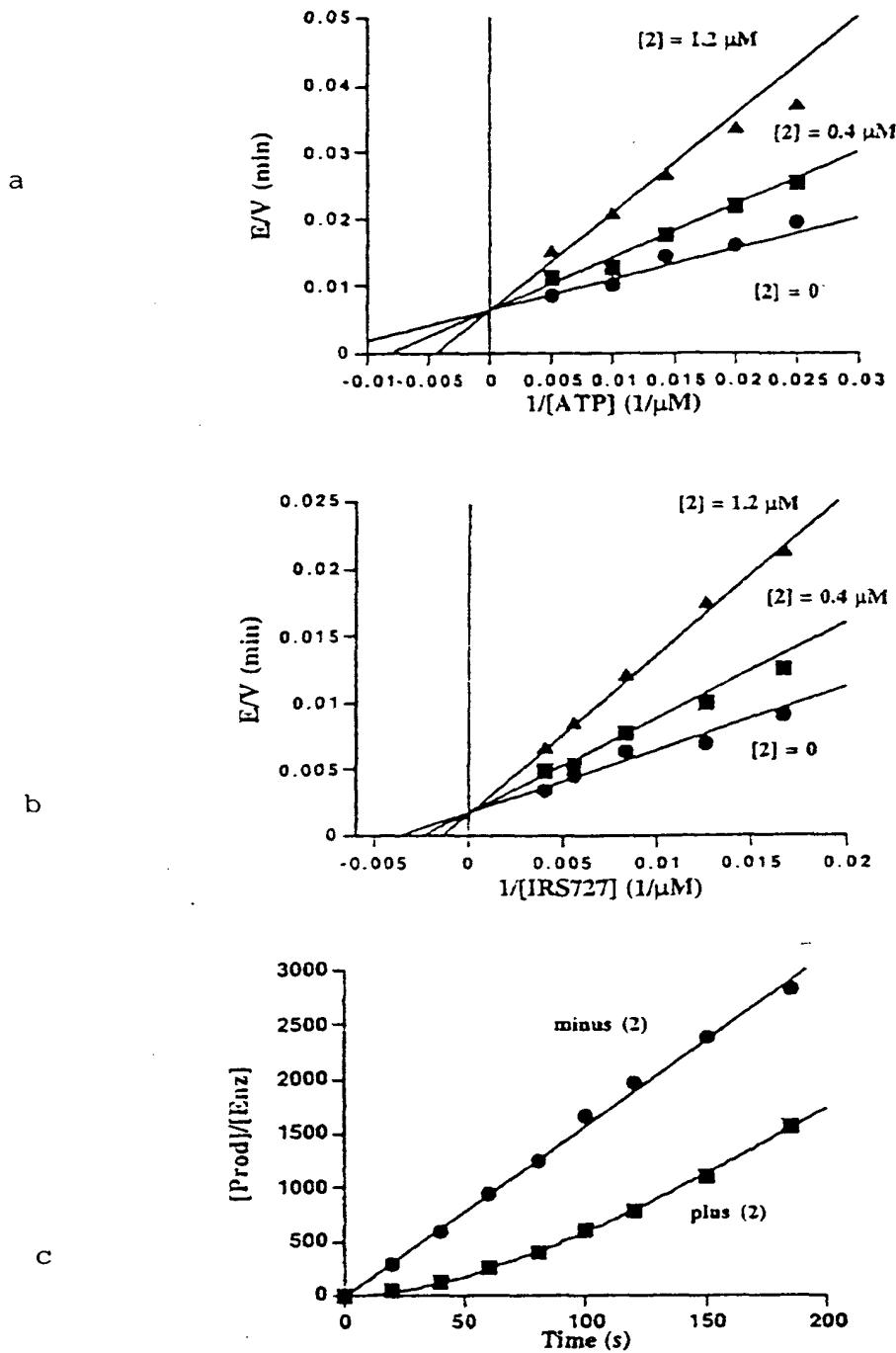


FIG. 2

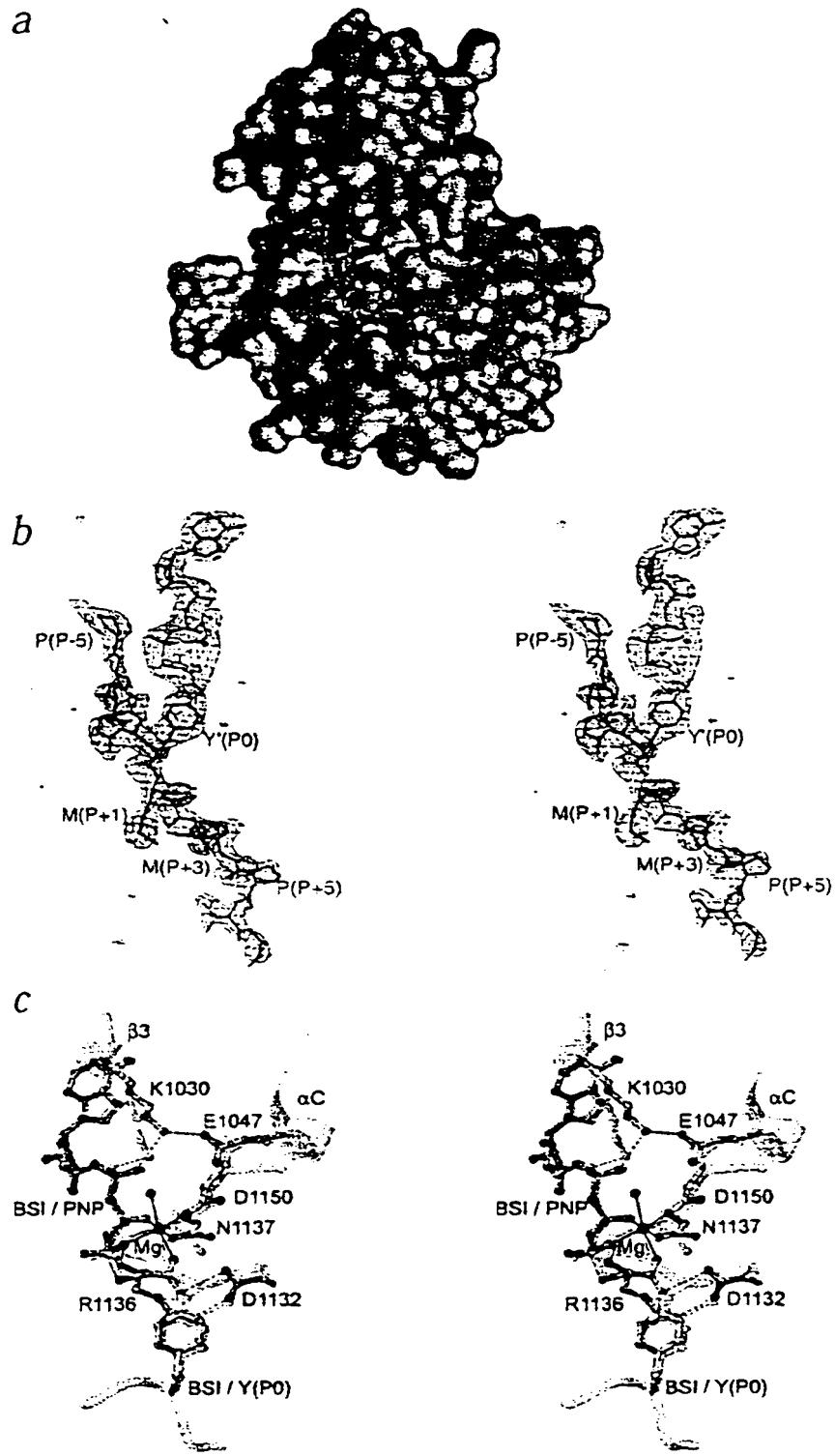
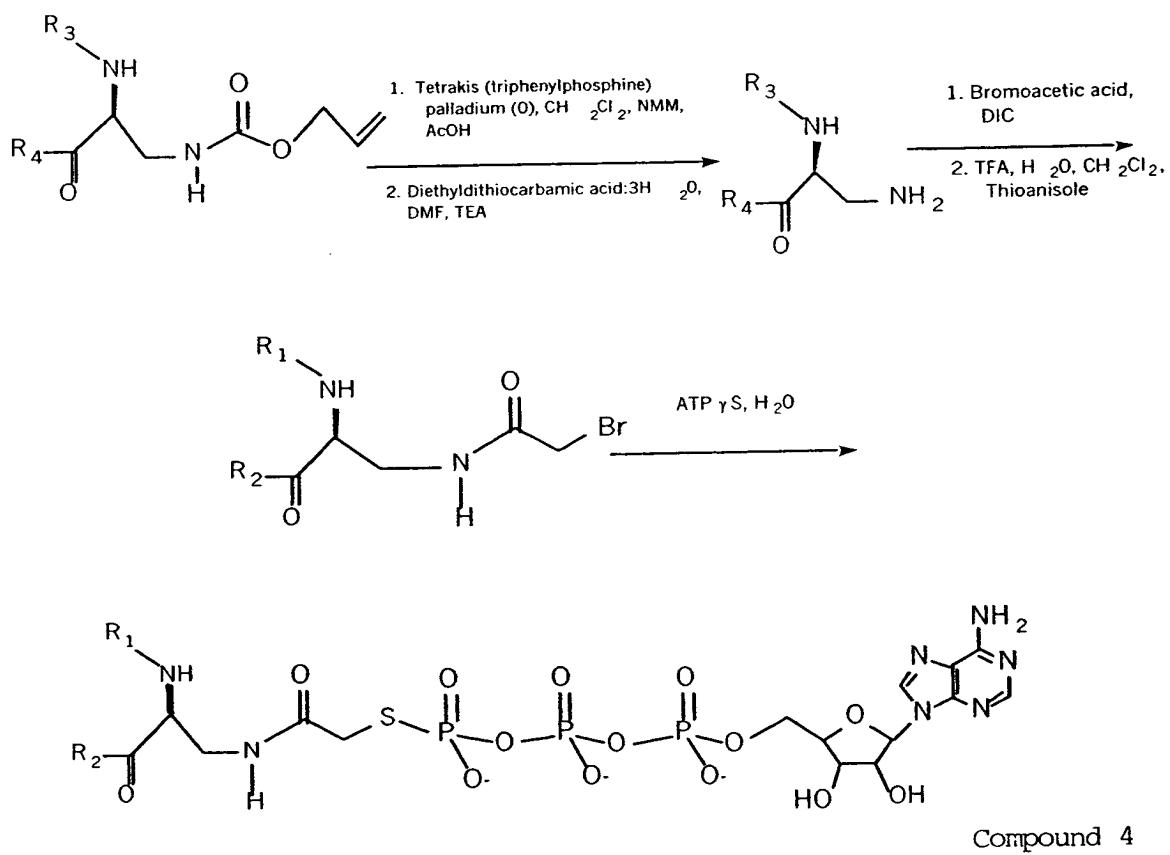
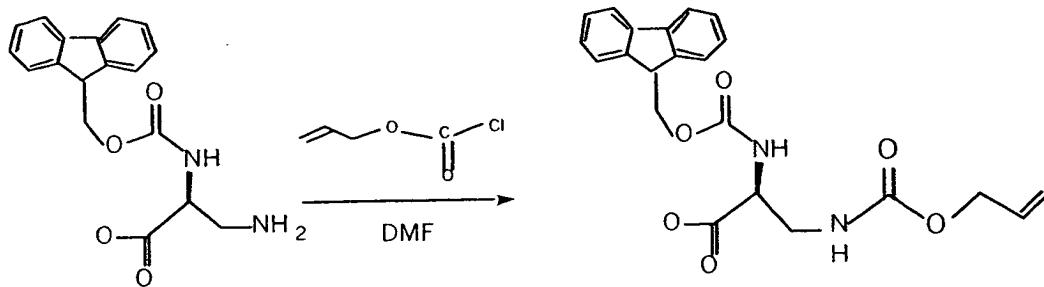


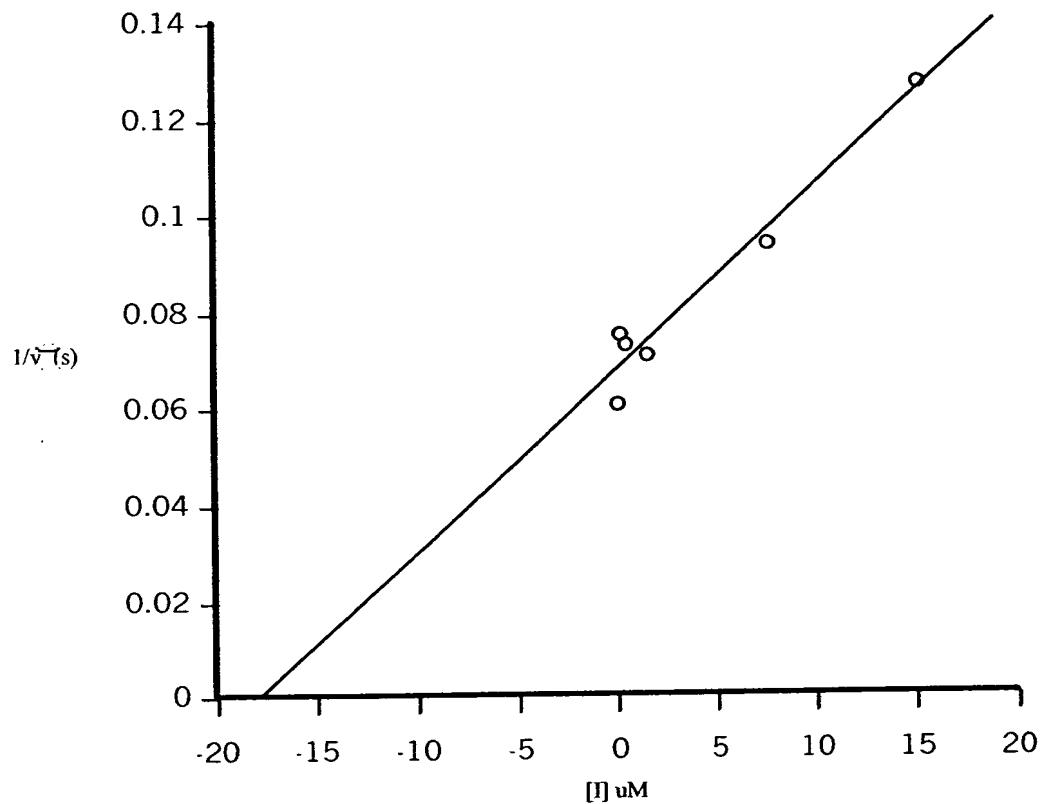
FIG. 3



$\text{R}_1 = \text{AcNH-Leu-Arg-Arg-Ala}$
 $\text{R}_2 = \text{-Leu-Gly-COOH}$
 $\text{R}_3 = \text{R}_1$ with Arg protecting groups
 $\text{R}_4 = \text{R}_2$ with Gly linked to Wang resin

FIG. 4

Kemptide Inhibitor Assay



Inhibition assay for protein kinase A.

Final concentrations for reaction components : ATP = 15 μM ,
kemptide = 25 μM , Mg^{2+} = 10mM, Tris-HCl = 40 mM,

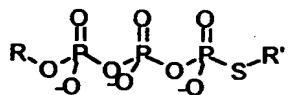
bovine serum albumin (from enzyme mix) 150 $\mu g/mL$.

All reactions were carried out at pH 7.5 and with a

final enzyme concentration of 0.35 nM

for 2 minutes at 30 degrees Celsius.

FIG. 5

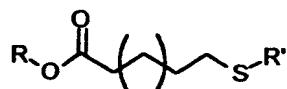


$\text{R}'=\text{CH}_2\text{CO-peptide or peptidomimetic}$

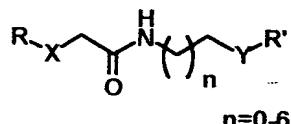
$\text{R}=\text{adenosine or nucleoside analog}$



$n=0-6$



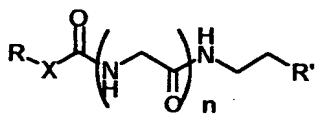
$n=0-6$



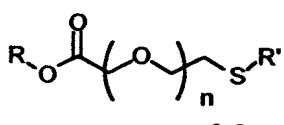
$n=0-6$

$\text{X}=\text{O, NH, S, CH}_2$

$\text{Y}=\text{O, NH, S, CH}_2$



$n=0-6$



$n=0-6$

FIG. 6